

JVC

Video Management Software

VN-RS800U

Setup Manual

Getting Started

Thank you for using the VN-RS800U video management software (henceforth VN-RS800).

The VN-RS800 video management software is comprised of the various groups of services that provide the different functions, the [VN-RS800Viewer] viewer application software, and the [VN-RS800Setup] setup tool.

This setup manual provides descriptions on procedures to install and set up VN-RS800.

Refer to the “VN-RS800 Viewer User’s Guide” on procedures to operate the viewer application.

This product includes software developed by the Apache Software Foundation (<http://www.apache.org/>).

This product includes software written by Tim Hudson (tjh@cryptsoft.com).

This product includes software written by Eric Young (eay@cryptsoft.com).

This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit (<http://www.openssl.org/>)

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Content

1. Software Installation	6
1.1. Setup.....	6
1.2. Installation.....	6
1.3. Uninstallation.....	7
2. Software Settings	8
2.1. Starting Up the Setup Tool.....	8
2.2. System Setting.....	9
2.3. Unit Registration.....	12
2.3.1. VN-C20/C215 Unit Alarm Setting.....	17
2.4. Camera Setting	18
2.4.1. Camera Property Setting.....	19
2.4.2. Camera Display/Position Registration.....	20
2.5. Alarm Event Registration	22
2.6. Schedule Registration	25
2.7. User Registration	28
2.8. Reflection of Settings	30
2.9. Exiting the Setup Tool.....	30
2.10. Starting Up the Viewer Application	30
3. Other Controls.....	31
3.1. Restarting the Service.....	31
3.2. Terminating (Starting) the Service.....	31
4. Backup and restoration	32
4.1. Files to be backed up	32
4.2. Limitations	32
4.3. Method of operating related function of VN-RS800.....	33
4.4. Example of backup procedure.....	34
5. Operating Suggestions.....	35
5.1. Personal computer setting	35
5.2. Concerning the CPU load	35
5.3. Concerning the recording file save location (hard disk drive) and file save period.....	35
5.4. Concerning the adjustment of the time of PC.....	35

1. Software Installation

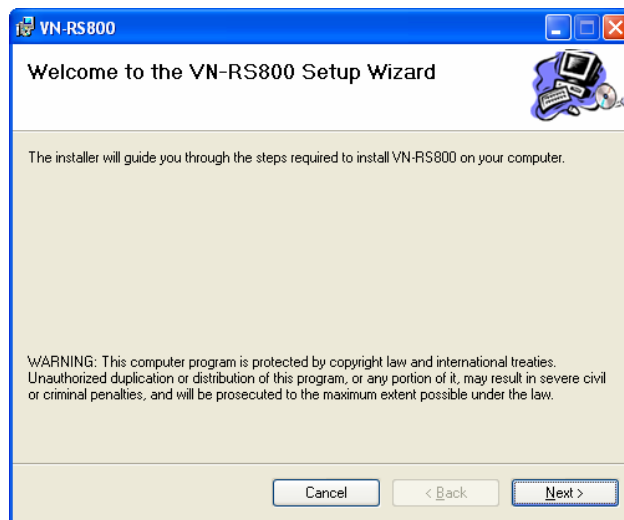
1.1. Setup

- * Log on as an authorized Windows administrator.
- * Install the new version after uninstalling the existing version.
- * Please uninstall VR-TS500 when VR-TS500 is installed.

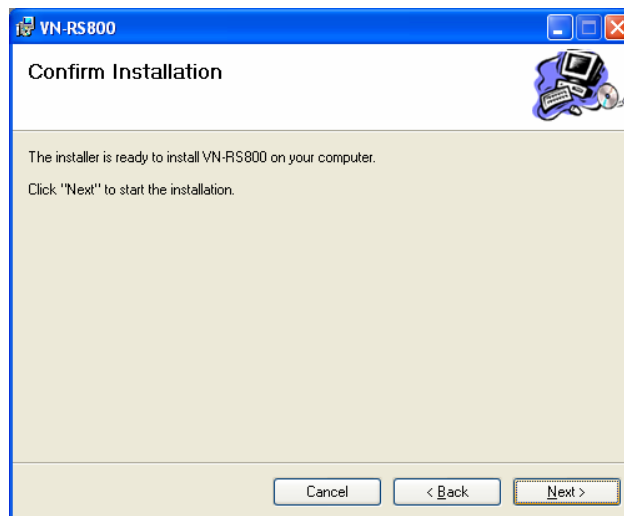
1.2. Installation

(1) Execute the VN-RS800U Installer.msi.

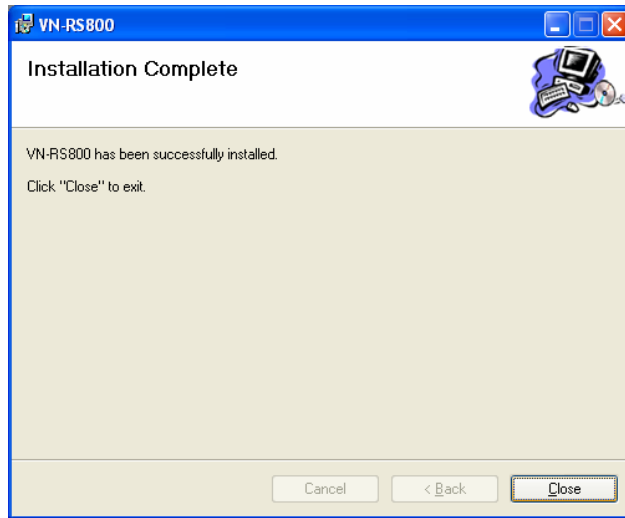
Click [Next].



(2) Install by following instructions on the screen.



- (3) After installation is successfully completed, the installation complete screen appears.
Click [Close] to end the wizard.



Installation of VN-RS800 is complete.

1.3. Uninstallation

- * To uninstall VN-RS800, do so using [Add or Remove Programs] of the Control Panel.

2. Software Settings

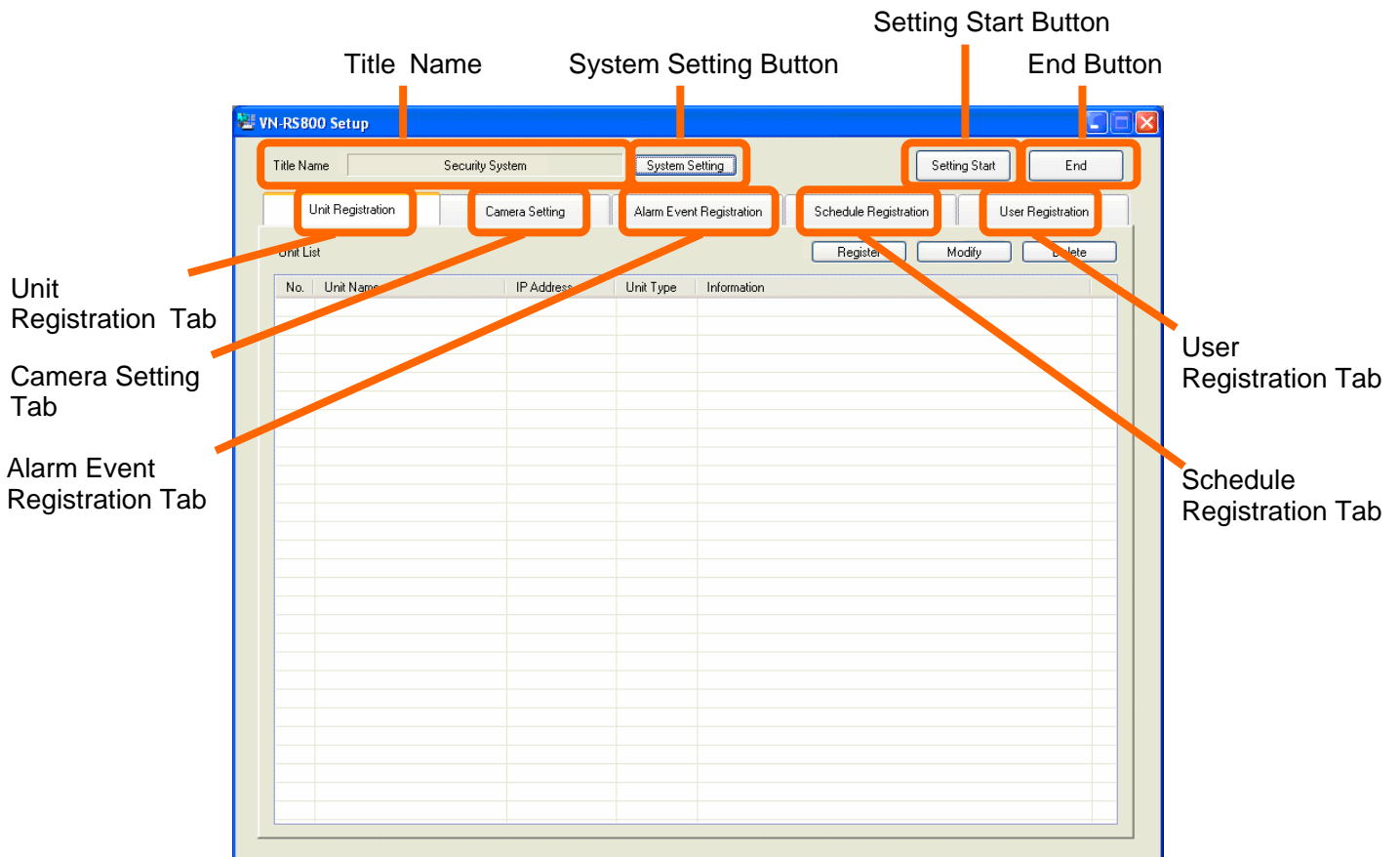
2.1. Starting Up the Setup Tool

- * Double-click the “RS800Setup” icon on the Desktop, or click [Start] – [All Programs] – [JVC] – [VN-RS800] – [RS800Setup].
- * Upon loading the setting data, the password entry screen appears.



Password Entry Screen

- * Enter the system password, followed by clicking the “OK” button.
(Set the system password according to “2.2. System Setting”. During the initial startup or when the system password is not set, click the “OK” button without entering anything.)
- * The setup tool starts up.



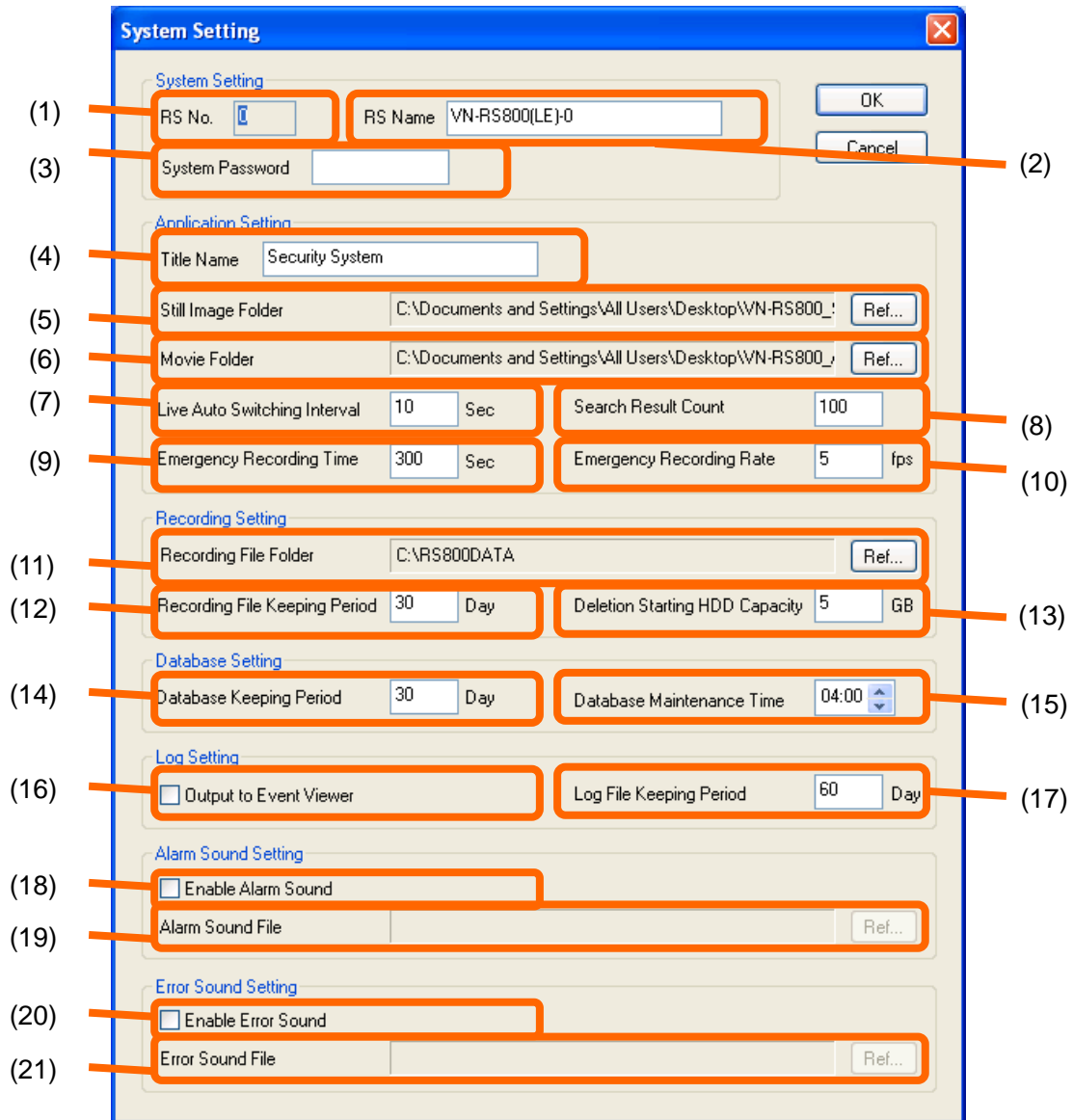
Setup Tool Screen

2.2. System Setting

This is used for performing common setting of the system.

* Click the “System Setting” button on the upper center of the setup tool screen.

* The system setting screen appears, and setting can be performed as follows.



System Setting Screen

- (1) RS No. (0 – 16)
This is reserved. This number cannot be altered.
- (2) RS Name (Within 32 letters)
This is reserved. Do not change the default value.

- (3) System Password (Within 8 letters)
The system password is used for the startup check of the setup tool and verification of the various services.
- (4) Title Name (Within 32 letters)
The title Name of the viewer application is displayed.
(The title name of the setup tool may also be displayed.)
- (5) Still Image Folder
This is used for setting the folder for storing still image files when saving the images from the viewer application.
- (6) Movie Folder
This is used for setting the folder for storing movie files when saving the images from the viewer application.
- (7) Live Auto Switching Interval (5 – 30 seconds)
This is used for setting the time interval for automatically switching the live display of the viewer application.
- (8) Search Result Count (100 – 300)
This is used for setting the number of results to be displayed when searching the alarm on the playback display of the viewer application.
- (9) Emergency Recording Time (30 – 3600 seconds)
This is used for setting the recording time when performing emergency recording using the viewer application.
- (10) Emergency Recording Rate (1 – 30 fps)
This is used for setting the recording frame rate when performing emergency recording using the viewer application.
- (11) Recording File Folder
This is used for setting the destination for saving the recorded files.
- (12) Recording File Keeping Period (1 – 365 day[s])
Record files are automatically deleted once they exceed this period.
- (13) Deletion Starting HDD Capacity (2 – 500 GB)
Record files are automatically deleted starting from the oldest data when the remaining level of the drive on which the record file storage folder is located falls below this value.
- (14) Database Keeping Period (1 – 365 day[s])
The keeping period of the database that manages the generation history of the alarm.
Database information is automatically deleted once they exceed this period.
- (15) Database Maintenance Time
The maintenance time of the database that manages the generation history of the alarm.
Database maintenance is performed everyday at this time.
* It sets at standard time, and it executes it at standard time.
- (16) Output to Event Viewer
The User message is output to the Event Viewer that is the Windows standard function.

(17) Log File Keeping Period (0 – 365 day[s])

The keeping period of the log file is set. If "0" is specified, the keeping period becomes unrestricted. Please set it for 1 - 365 day(s) usually.

(18) Enable Alarm Sound

When the alarm is received, the sound file is played back.

(19) Alarm Sound File

The sound file when the alarm is received is set.

(20) Enable Error Sound

When the error occurs, the sound file is played back.

(21) Error Sound File

The sound file when the error occurs is set.

* When setting is complete, click the "OK" button to close the "System Setting" screen.

* Click the "Cancel" button to discard changes on the "System Setting" screen.

2.3. Unit Registration

This is used for registering the unit to be used with VN-RS800.

- * Select the “Unit Registration” tab.

Unit Registration Tab

Register Button

Delete Button

Modify Button

Unit List

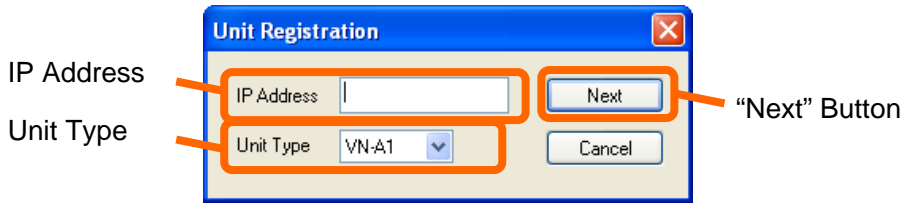
No.	Unit Name	IP Address	Unit Type	Information
1	[192.168.0.101]	192.168.0.101	VN-A1	[Video CH : 1] [Motion : -] [Alarm : -]
2	[192.168.0.102]	192.168.0.102	VN-C10	[Video CH : 1] [Motion : -] [Alarm : -]
3	[192.168.0.103]	192.168.0.103	VN-C20	[Video CH : 1] [Motion : -] [Alarm : -]
4	[192.168.0.104]	192.168.0.104	VN-C30	[Video CH : 1] [Motion : -] [Alarm : -]

Unit List

When the unit registration tab is selected

- * Only registered units are displayed in the “Unit List”.

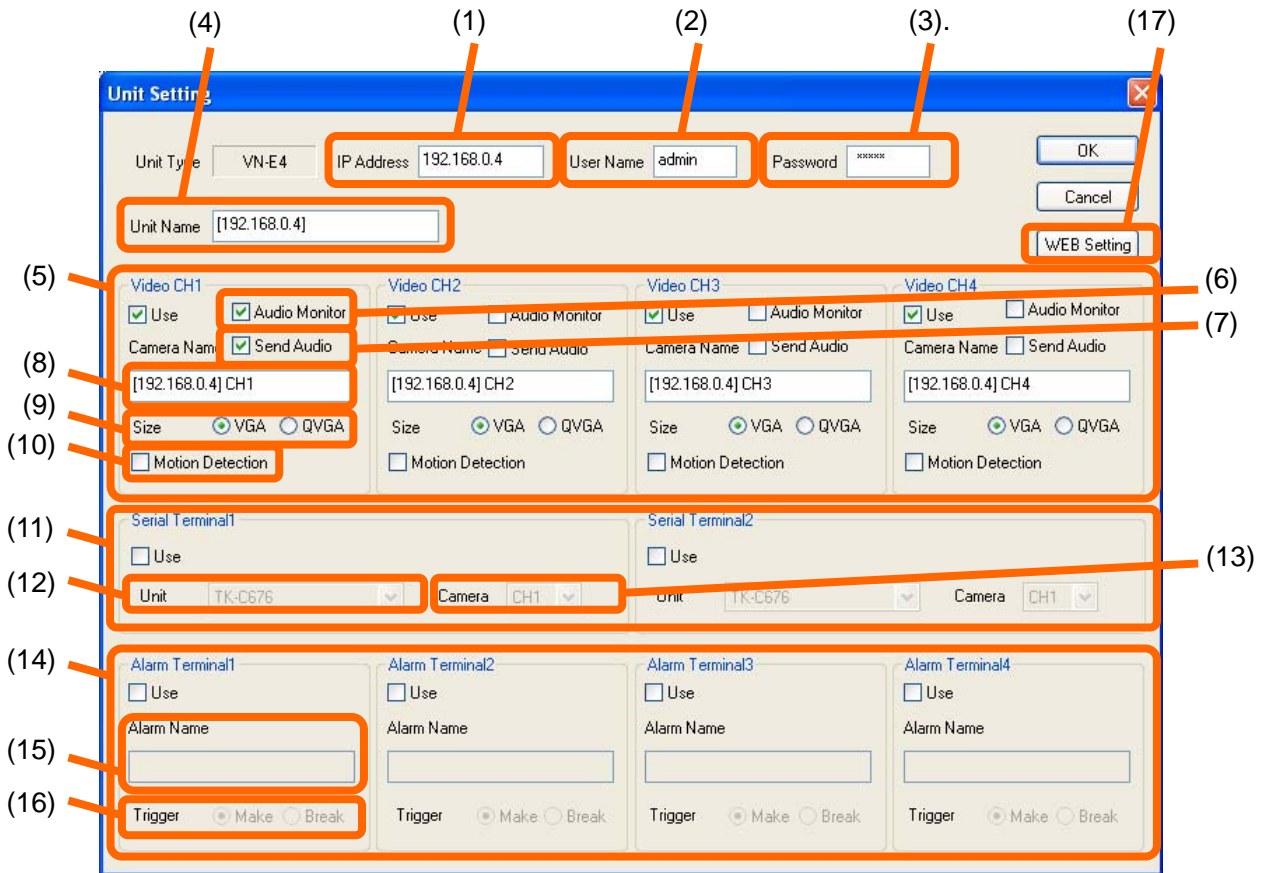
- * To register a new unit, click the “Register” button.
- * The “Unit Registration” screen appears.



Unit Registration Screen

- * Enter the “IP Address” and select the “Unit Type”.
- * Click the “Next” button. The setting screen corresponding to the unit type is displayed, which allows setting as shown below.

[For VN-E4]

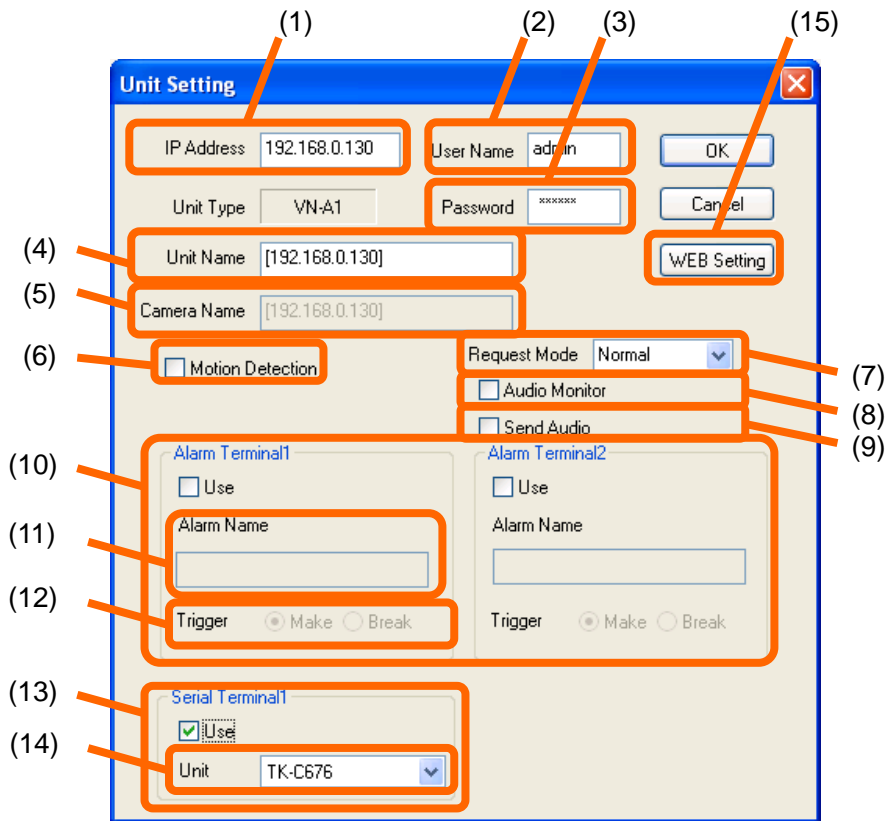


VN-E4 Setting Screen

- (1) IP Address
For setting the IP address of the unit.
- (2) User Name (admin / operator / user)
For entering the user name for logging into the unit.
- (3) Password (Within 8 letters)

- For entering the password for logging into the unit.
- (4) Unit Name (Within 32 letters)
For entering the name of the unit.
 - (5) Video CH [1 – 4]
Turning on the “Use” check box enables use of the corresponding video channel.
 - (6) Audio Monitor
The audio input to VN-E4 that the check box is turned on can be monitored and be recorded on the PC side. Only one “Audio Monitor” is turned on among from Video CH1 to CH4.
 - (7) Send Audio
Turning on the check box, operating the “Send Audio” button on the viewer application becomes possible. The audio input to PC can be transmitted to VN-E4 by operating the “Send Audio” button, and it output it from the audio output terminal of VN-E4.
 - (8) Camera Name (Within 32 letters)
For setting the camera name. The entered name appears on the live image.
 - (9) Size
For specifying the image size to give priority to during display or recording.
 - (10) Motion Detection
To use the motion detection alarm, turn on the check box.
When the check box is turned on, the name of the motion detection alarm is automatically set to “Camera Name” + “Motion Detection”. This name cannot be altered.
 - (11) Serial Terminal [1 – 2]
Turning on the “Use” check box enables use of the corresponding serial terminal.
 - (12) Unit [TK-C676/TK-C625/TK-C655]
For selecting the unit name connected with the serial terminal.
 - (13) Camera
For selecting the “Video CH” corresponding to the unit connected with the serial terminal.
 - (14) Alarm Terminal [1 – 4]
Turning on the “Use” check box enables use of the corresponding alarm terminal.
 - (15) Alarm Name (Within 32 letters)
For entering the name of the alarm. If the alarm name is left unspecified (blank) when the check box in (12) is turned on, this is automatically set to “Camera Name” + “AL?” (“?” is the alarm number).
 - (16) Trigger
For selecting the method for determining the alarm.
 - (17) Web Setting Button
For displaying the Web Setting screen of the unit.

[For unit types other than VN-E4]



Setting Screen for Units Other Than VN-E4

- (1) IP Address
For setting the IP address of the unit.
- (2) User Name (admin / operator / user)
For entering the user name for logging into the unit.
* It is displayed only for VN-V26/V686/X35.
- (3) Password (Within 8 letters)
For entering the password for logging into the unit.
* Password setting is not available for VN-C20/C215/V25.
- (4) Unit Name (Within 32 letters)
For entering the name of the unit.
- (5) Camera Name
This is automatically set to the same name as the unit name. This name cannot be altered.
- (6) Motion Detection
To use the motion detection alarm, turn on the check box.
When the check box is turned on, the name of the motion detection alarm is automatically set to "Camera Name" + "Motion Detection". This name cannot be altered.
* Motion detection setting is not available for VN-C30.
* For VN-C20/C215, it is necessary to set alarm of the main unit in "2.3.1 VN-C20/C215 Unit

Alarm Setting” (to be explained later).

(7) Request Mode (Normal / High Speed)

When "High Speed" is selected, the image is acquired in the high-speed mode.

* It is displayed only for VN-C625/C655/C205.

* Please note the following points when you select "High Speed".

- The frame rate of the image transmitted from the camera to VN-RS800 reaches the value set by "Settings"->"View settings"->"Frame Rate" of the Web Setting screen of the unit. Please set the maximum frame rate used with VN-RS800 beforehand by the Web Setting screen of the unit.

- When the communication traffic between the camera and VN-RS800 is calculated, this maximum frame rate is used.

- The client (VN-S400 and VR-N900, etc.) that operates the frame rate of the camera directly exists. Please set a common frame rate when coexisting with these clients.

(8) Audio Monitor

The audio input to VN-V26/X35 that the check box is turned on can be monitored and be recorded on the PC side.

* It is displayed only for VN-V26/X35.

(9) Send Audio

Turning on the check box, operating the "Send Audio" button on the viewer application becomes possible. The audio input to PC can be transmitted to VN-V26/X35 by operating the "Send Audio" button, and it output it from the audio output terminal of VN-V26/X35.

* It is displayed only for VN-V26/X35.

(10) Alarm Terminal [1 – 2]

Turning on the "Use" check box enables use of the corresponding alarm terminal.

* For VN-C20/C215 it is necessary to set alarm of the main unit in "2.3.1 VN-C20/C215 Unit Alarm Setting" (to be explained later).

(11) Alarm Name (Within 32 letters)

For entering the name of the alarm. If the alarm name is left unspecified (blank) when the check box in (6) is turned on, this is automatically set to "Camera Name" + "AL?" ("?" is the alarm number).

(12) Trigger

For selecting the method for determining the alarm.

* It is displayed only for VN-V25/V26/V686/X35.

(13) Serial Terminal [1]

Turning on the "Use" check box enables use of the corresponding serial terminal.

* It is displayed only for VN-A1.

(14) Unit [TK-C676/TK-C625/TK-C655]

For selecting the unit name connected with the serial terminal.

* It is displayed only for VN-A1.

(15) Web Setting Button

For displaying the Web Setting screen of the unit.

- * When setting is complete, click the “OK” button to close the “Unit Setting” screen.
- * To change the settings of a registered unit, select the unit to alter from the unit list, followed by clicking the “Modify” button.
- * Screens and procedures when changing settings are similar to those for unit registration.
- * To delete a registered unit, select the unit to delete from the unit list, followed by clicking the “Delete” button.

2.3.1. VN-C20/C215 Unit Alarm Setting

- * To use the alarm on VN-C20/C215, set the details in “External” – “Alarm” on the Web Settings screen of VN-C20 according to the example below in addition to the VN-RS800 settings.

Example: Set No.01 to “Alarm Input 1”, No.02 to “Alarm Input 2”, and No.03 to “Motion Detection”.

* No.01

Action:	UDP
1st Trigger:	Input 1 Make/Break (select one)
TCP/UDP IP Address:	IP address of PC on which VN-RS800 is running
TCP/UDP Port Number:	20000 (fixed)
TCP/UDP Data:	Alarm1 (fixed data that shows "Alarm Input 1")

* No.02

Action:	UDP
1st Trigger:	Input 2 Make/Break (select one)
TCP/UDP IP Address:	IP address of PC on which VN-RS800 is running
TCP/UDP Port Number:	20000 (fixed)
TCP/UDP Data:	Alarm2 (fixed data that shows "Alarm Input 2")

* No.03

Action:	UDP notification
1st Trigger:	Motion
TCP/UDP IP Address:	IP address of PC on which VN-RS800 is running
TCP/UDP Port Number:	20000 (fixed)
TCP/UDP Data:	Motion (fixed data that shows "Motion Detection")

- * Please change the setting of the firewall so that the above-mentioned alarm communication is not blocked when you use the firewall on PC that operates VN-RS800.

2.4. Camera Setting

- * This used to perform various settings for video input units on the screen where the “Camera Setting” tab is selected.

Camera Setting Tab

Property Button

Camera Display/Position Registration Button

Up Button

Down Button

Camera List

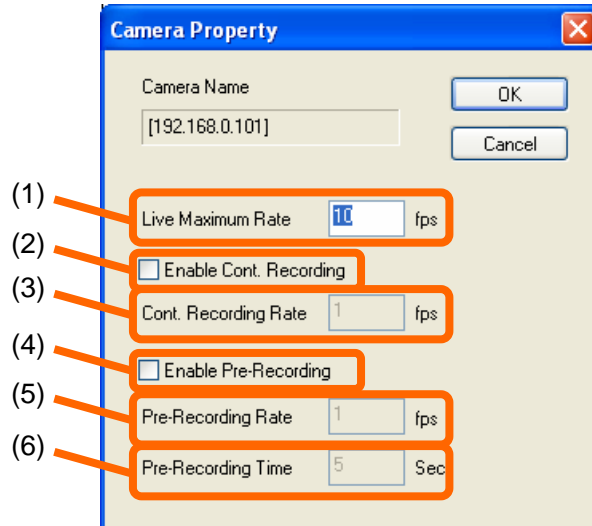
When the Camera Setting tab is selected

No.	Camera Name	Unit Type	Unit Name	CH	Live	Cont. Rec	Pre-Rec
1	[192.168.0.101]	VN-A1	[192.168.0.101]	1CH	10fps	-	-
2	[192.168.0.102]	VN-C10	[192.168.0.102]	1CH	10fps	-	-
3	[192.168.0.103]	VN-C20	[192.168.0.103]	1CH	10fps	-	-
4	[192.168.0.104]	VN-C30	[192.168.0.104]	1CH	10fps	-	-

- * Video channels that are registered via “Unit Registration” are displayed on the “Camera List”.
- * The order of this list indicates the order of display on the viewer application.
- * To alter the order of display, select a camera, and click the “Up” or “Down” button to the right of the list. Alternatively, drag and drop the item using the mouse.

2.4.1. Camera Property Setting

- * To alter the camera settings, select a camera, and click the “Property” button. Doing so enables setting as follows.



Camera Property Screen

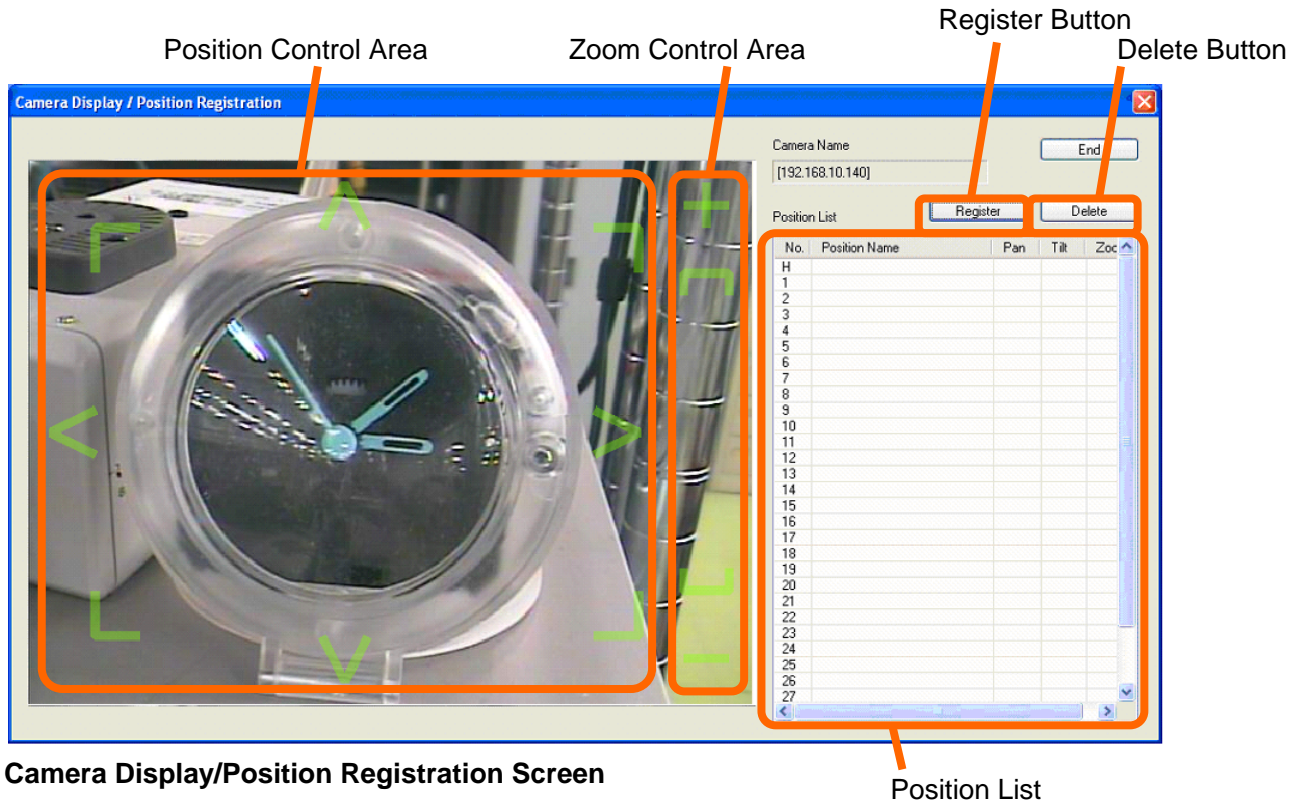
- (1) Live Maximum Rate (From -60 to 30 fps, except 0)
Enter the maximum frame rate during live display.
- (2) Enable Cont. Recording
Tick to enable continuous recording.
- (3) Cont. Recording Rate (From -60 to 30 fps, except 0)
Enter the frame rate for continuous recording.
- (4) Enable Pre-Recording
Tick to enable pre-recording.
- (5) Pre-Recording Rate (1 – 30 fps)
Enter the frame rate for pre-recording.
- (6) Pre-Recording Time (2 – 20 seconds)
Enter the time for performing pre-recording.

(Precautions)

- * If a negative value is set to the frame rate, second of the absolute value number becomes a frame interval. (Example: “-15” means “one frame every 15 seconds”.)
- * The frame rate is automatically adjusted according to the number of screens. As such, there are cases when images are not displayed using the frame rate set here.
- * Frame rates have an impact on the record file storage period and CPU usage. Determine a frame rate upon taking the amount of disk space and CPU usage ratio into consideration.
- * When the CPU usage ratio is below 60%, it is recommended that the amount of disk space allocated for the record file storage period be less than 70% of the total space.

2.4.2. Camera Display/Position Registration

- * Select a camera from the list, followed by clicking the “Camera Display/Position Registration” button to display the “Camera Display/Position Registration” screen for checking the video images.



- * When VN-C30/C625/C655/V686/X35, and VN-A1/E4(With Dome Camera) is selected as the camera, the Position/Zoom Control area appears, which enables control of the camera and registration of the position.
- * Procedures to register a position are as follows.
 - (1) Select the position number to register from the position list.
Selecting a position that has been registered beforehand moves display of the camera’s video image to that position.
 - (2) Control the camera by dragging the Position/Zoom Control area to display the image to register.
 - (3) Click the “Register” button.
 - (4) A screen for entering the position name appears. Enter a name (Within 32 letters).
When a position that has been registered beforehand is selected, the current position name appears. Alter this name accordingly.
 - (5) The current image is registered with the selected position.
- * To delete a registered position, select the position to delete from the position list, followed by clicking the “Delete” button.

- * To close the "Camera Display/Position Registration" screen, click the "Close" button.

(Precautions)

- * In the case of VN-V686, the HOME position uses setting of the camera side.
Each value of "Pan", "Tilt", and "Zoom" cannot be set though "Position Name" can be set.
Moreover, the HOME position cannot be deleted.
Refer to "Instructions" of VN-V686 for the method of setting the HOME position of the camera side.
- * In the case of VN-X35, "Digital PTZ function" is used in the camera control function.
Please select "Pattern 4/6/8" to which "digital PTZ function" of JPEG is effective by "Encode setting" of VN-X35 when you control the camera.
When you change "Encode setting" after the position of VN-X35 is registered, the angle of field at the position is different from the registered angle of field. In that case, please register the position again.
Refer to "Instructions" of VN-X35 for details of "Encode setting" of the camera side.

2.5. Alarm Event Registration

- * This is used to control camera recording actions that are associated with alarm occurrences as “alarm events”.
- * Register alarm events on the screen where the “Alarm Event Registration” tab is selected.

Alarm Event Registration Tab

Register Button

Delete Button

Modify Button

VN-RS800 Setup

Title Name: Security System

System setting

Setting Start

End

Unit Registration

Camera Setting

Alarm Event Registration

Schedule Registration

User Registration

Alarm Event List

Register

Modify

Delete

No.	Alarm Name	Camera Name	Frame Rate	Recording Time	Alarm Display Time
1	[192.168.0.101] Motion Detection	[192.168.0.101]	5fps	30s	30s
2	[192.168.0.102] AL1	[192.168.0.102]	5fps	30s	30s
3	[192.168.0.102] AL1	[192.168.0.103]	5fps	30s	30s
4	[192.168.0.102] AL1	[192.168.0.104]	5fps	30s	30s

Alarm Event List

When the Alarm Event Registration tab is selected

- * Alarm events that are registered in the “Alarm Event List” are displayed.
- * To add a new alarm event, click the “Register” button.
The “Alarm Event Registration” screen appears. Register the alarm event by setting as follows.

The screenshot shows the 'Alarm Event Registration' window. It contains three main sections: 'Alarm List', 'Camera List', and 'Alarm Event' configuration. Callouts (1) through (5) highlight specific elements:

- (1) Points to the 'Alarm List' table.
- (2) Points to the 'Camera List' table.
- (3) Points to the 'Alarm Display Time' field, which is set to 30 seconds.
- (4) Points to the 'Camera Name' field in the 'Alarm Event' section.
- (5) Points to the 'Recording Time' field, which is set to 30 seconds.

Alarm List

No.	Alarm Name	Unit Type	Unit Name	CH
1	[192.168.0.101] Motion De...	VN-A1	[192.168.0.101]	1CH
2	[192.168.0.102] AL1	VN-C10	[192.168.0.102]	1CH
3	[192.168.0.102] AL2	VN-C10	[192.168.0.102]	2CH

Camera List

No.	Camera Name	Unit Type	Unit Name	CH
1	[192.168.0.101]	VN-A1	[192.168.0.101]	1CH
2	[192.168.0.102]	VN-C10	[192.168.0.102]	1CH
3	[192.168.0.103]	VN-C20	[192.168.0.103]	1CH
4	[192.168.0.104]	VN-C30	[192.168.0.104]	1CH
5	[192.168.10.140]	VN-C625	[192.168.10.140]	1CH

Alarm Event

Alarm Name:

Camera Name:

Frame Rate:

Alarm Display Time:

Recording Time:

Alarm Event Registration Screen

- (1) Alarm List
Select the alarm for which recording is to be triggered.
- (2) Camera List
Select the camera to perform recording when an alarm occurs.
- (3) Alarm Display Time (10 – 3600 seconds)

Set the time for displaying the alarm message on the live screen of the viewer application.

(4) Frame Rate (1 – 30 fps)

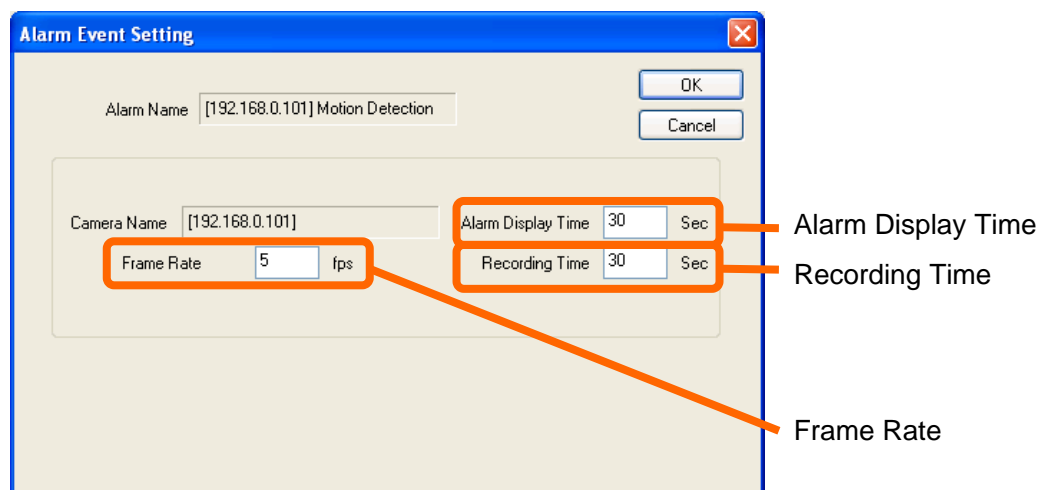
Set the frame rate for alarm recording.

(5) Recording Time (10 – 3600 seconds)

Set the time for alarm recording.

- * When setting is complete, click the “Add” button to add the alarm event.
- * Repeat the same setting procedures to add subsequent alarm events.
- * When adding is complete, click the “End” button to close the “Alarm Event Registration” screen.

- * To change the settings of a registered alarm event, select the alarm event to alter from the alarm event list, followed by clicking the “Modify” button.



Alarm Event Modification Screen

- * You can alter the frame rate, recording time, and alarm display time.
- * When change is complete, click the “OK” button to close the “Alarm Event Modification” screen.

- * To delete a registered alarm event, select the alarm event to delete from the alarm event list, followed by clicking the “Delete” button.

(Precautions)

- * The image immediately after the alarm event might not be recorded by alarm recording. Please set "Pre-Recording" to record the image immediately after the alarm event surely. Refer to "2.4.1 Camera Property Setting" for "Pre-Recording" setting.

2.6. Schedule Registration

- * This is used to manage the schedule for performing automatic recording on a specified date/time.
- * Register the schedule on the screen where the “Schedule Registration” tab is selected.

Schedule Registration Tab

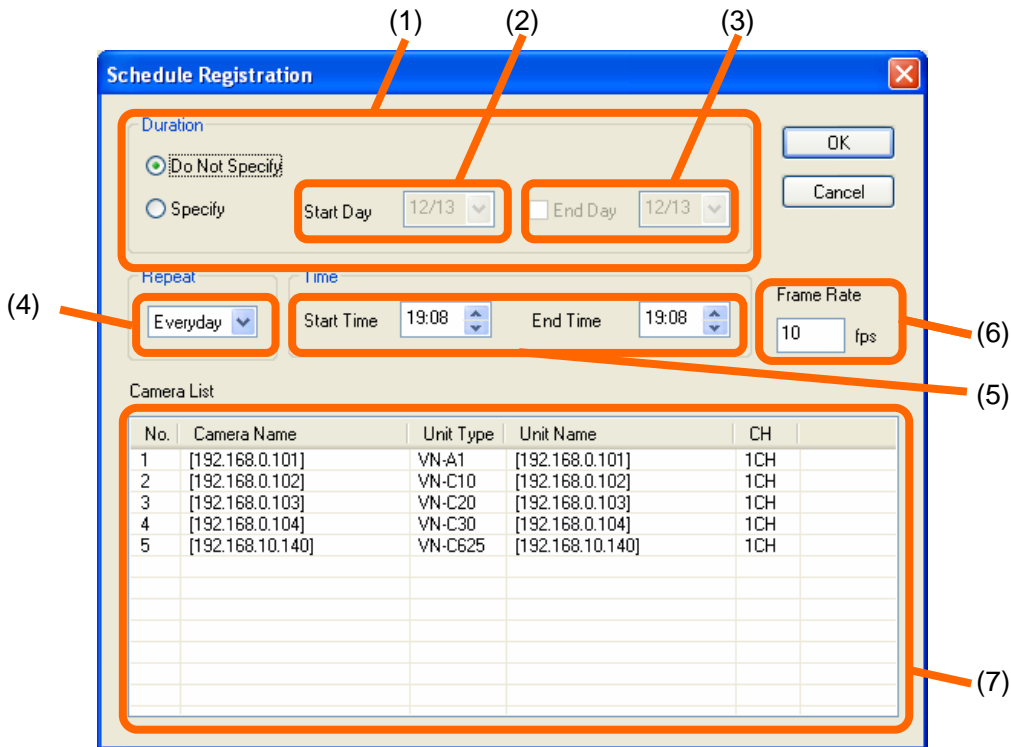
Schedule List

No.	Start Date	End Date	Repeat	Start Time	End Time	Description	Schedule Target	Frame Rate
1	-	-	Everyday	10:00	12:00	Recording	[192.168.0.101]	10fps
2	-	-	Sat-Sun	18:00	20:00	Recording	[192.168.0.102]	10fps
3	09/01	09/30	Everyday	10:00	12:00	Recording	[192.168.0.103]	10fps

When the Schedule Registration tab is selected

- * Schedules that are registered in the “Schedule List” are displayed.

- * To add a new schedule, click the “Register” button.
The “Schedule Registration” screen appears.
Register the recording schedule by setting as follows.



Schedule Registration Screen

- (1) Duration
Select either “Do not specify” or “Specify”.
- (2) Start Day
Select the date for starting the scheduled action.
This is enabled only when the Duration item is set to “Specify”.
- (3) End Day
To specify the date for ending the scheduled action, turn on the check box and specify the ending date of the scheduled action. The period when "Year" was stepped over cannot be set.
This is enabled only when the Duration item is set to “Specify”, and the “End Day Check Box” is turned on.
When you turn off "End Day Check Box", it is set as a schedule executed only on the day specified by "Start day".
- (4) Repeat (Everyday/Mon/Tue/Wed/Thu/Fri/Sat/Sun/Mon-Fri/Mon-Sat/Sat-Sun)
Specify the day of the week to perform the scheduled recording.
- (5) Time
Set the starting/ending time for the scheduled recording.
- (6) Frame Rate (From -60 to 30 fps, except 0)
Set the frame rate for the scheduled recording.
- (7) Camera List

Select the camera to perform the scheduled recording.

- * When setting is complete, click the “OK” button to close the “Schedule Registration” screen.
- * To change the settings of a registered schedule, select the schedule to alter from the list, followed by clicking the “Modify” button.
- * Screens and procedures when changing settings are similar to those for schedule registration.
- * To delete a registered schedule, select the schedule to delete from the list, followed by clicking the “Delete” button.

2.7. User Registration

- * Register the user on the screen where the “User Registration” tab is selected.
- * Use the user name and password registered here to start up the viewer application.

User Registration Tab

Delete Button

Modify Button

Register Button

User List

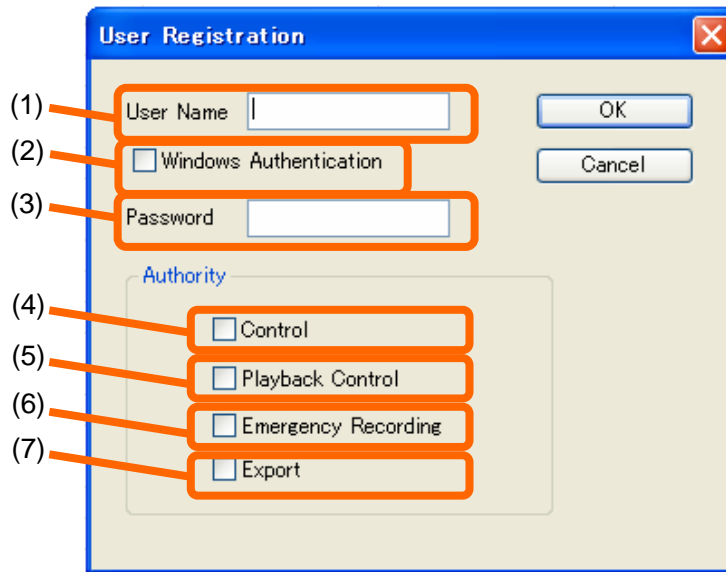
When the User Registration tab is selected

No.	User Name	Control	Playback Control	Emergency Recording	Export
1	admin	Permission	Permission	Permission	Permission
2	test01	-	-	-	-
3	test02	Permission	Permission	-	-

- * Users that are registered in the “User List” are displayed.

* To add a new user, click the “Register” button.

The “User Registration” screen appears. Register the user by setting as follows.



User Registration Screen

(1) User Name (Within 8 letters)

Enter the name of the user to be registered.

(2) Windows Authentication

The viewer application can be started without inputting the password when the login user name of Windows is corresponding to the user name of (1).

(3) Password (Within 8 letters)

Enter the password of the user to be registered.

(4) Control

To assign camera control authority to the user to be registered, turn on the check box.

(5) Playback Control

To assign playback control authority to the user to be registered, turn on the check box.

(6) Emergency Recording

To assign emergency recording execution authority to the user to be registered, turn on the check box.

(7) Export

To assign AVI export execution authority to the user to be registered, turn on the check box.

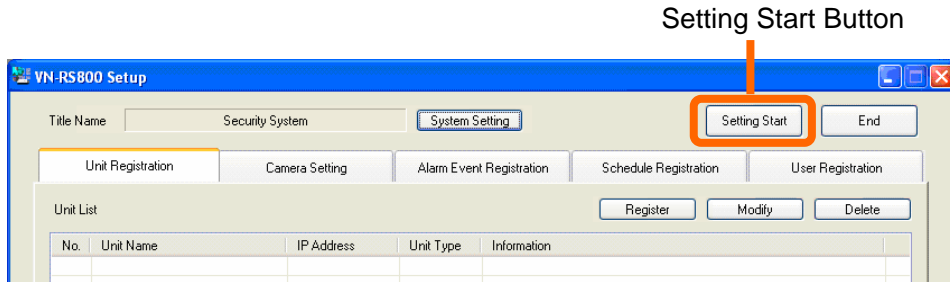
* When setting is complete, click the “OK” button to close the “User Registration” screen.

* To change the settings of a registered user, select the user to alter from the user list, followed by clicking the “Modify” button.

* Screens and procedures when changing settings are similar to those for user registration.

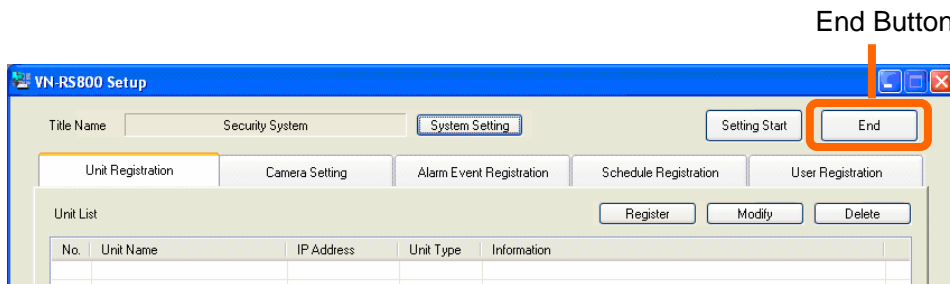
- * To delete a registered user, select the user to delete from the user list, followed by clicking the “Delete” button.

2.8. Reflection of Settings



- * When the settings are complete, click the “Setting Start” button to reflect the settings.
- * Setting is complete when the “Output in progress. Please wait for a moment...” screen disappears.

2.9. Exiting the Setup Tool



- * Use the “End” button to exit the setup tool.

2.10. Starting Up the Viewer Application

- * Double-click the “VN-RS800Viewer” icon on the Desktop, or click [Start] – [All Programs] – [JVC] – [VN-RS800] – [VN-RS800Viewer].
- * Refer to the “VN-RS800 Viewer User’s Guide” on procedures to operate the viewer application.

3. Other Controls

3.1. Restarting the Service

- * One of the emergency measures to take when system abnormalities occur, such as when images are not renewed or recorded, is to restart the various groups of services.
- * To restart the various groups of services, click [Start] – [All Programs] – [JVC] – [VN-RS800] – [RestartService].

3.2. Terminating (Starting) the Service

- * To stop recording or transmission, such as during maintenance of the disk or network, terminate the various groups of services.
- * To terminate the various groups of services, click [Start] – [All Programs] – [JVC] – [VN-RS800] – [StopService].
- * To restart after maintenance is complete, click [Start] – [All Programs] – [JVC] – [VN-RS800] – [StartService].

4. Backup and restoration

Please kindly refer to the instruction manual of each backup software regarding the detailed procedure both backup and restoration.

When you use VN-RS800 together backup software at the same time, you are strongly required to use it after evaluating the actual performance once.

4.1. Files to be backed up

The search and playback of recording data at the backup are possible by backup and restoring the following files.

(1) Configuration file

All in the following folders

(Windows XP/Server 2003)

“C:¥Documents and Settings¥All Users¥Application Data¥JVC¥SCoF¥conf”

(Windows Vista)

“C:¥ProgramData¥JVC¥SCoF¥conf”

(2) Alarm data base

All in the following folders

(Windows XP/Server 2003)

“C:¥Documents and Settings¥All Users¥Application Data¥JVC¥SCoF¥db”

(Windows Vista)

“C:¥ProgramData¥JVC¥SCoF¥db”

(3) Recording data

All in folder set to “System Setting” - “Recording File Folder”

4.2. Limitations

Please note that there are the following limitations (notes).

(When you use Windows Vista)

- The following script files (BackupAlarmDb.bat and RestoreAlarmDb.bat) are made by using the path name for ‘Windows XP/Server 2003’. Please use it for ‘Windows Vista’ after correcting the path name.

(When you use OS other than an English version)

- Please change the path name in the following script files (BackupAlarmDb.bat and RestoreAlarmDb.bat) correctly when the path name is different from the above-mentioned.

(The alarm data base is backed up.)

- It is necessary to stop the service of the data base of VN-RS800 once. (Time that the alarm between a few seconds cannot record before it backs up is needed.)
 - * Refer to 4.3 (1), (2)

(Restoration and Search)

- While VN-RS800 operation, backup data not allowed to restore, search and playback. You are strongly recommended to restore, search and playback by other PC.
- When restoring and searching for old data, the operation that stops this function is needed because the function to delete old data works by setting "System Setting" – "Recording File Keeping Period".
 - * Refer to 4.3 (3)
- When the configuration file is restored, the restart of all services is needed.
 - * Refer to 4.3 (3)

4.3. Method of operating related function of VN-RS800

(1) Data base function how to stop when backing up

- The backup of the alarm data base backs up "VN-RS800_alarm.db" of "C:¥Documents and Settings¥All Users¥Application Data¥JVC¥SCoF¥db".
When backing up, it is necessary to stop the service of the data base of VN-RS800 once, so that the data base is not updated while this file is copied.
- There is the following procedure as a method of shortening the stop period of the data base service.
 - 1). Stop the data base service
 - 2). Copy "VN-RS800_alarm.db" as alias (VN-RS800_alarm_back.db)
 - 3). Start the data base service
 - 4). Back up file (VN-RS800_alarm_back.db) copied by the alias
- The script file that does above-mentioned 1) - 3) is preparatory in "C:¥Program Files¥JVC¥SCoF¥bin¥" as "BackupAlarmDb.bat".

(2) Method of restoring data base when restoring it

- When searching, "VN-RS800_alarm_back.db" backed up by (1) can have to be read.
- Please execute "RestoreAlarmDb.bat" of "C:¥Program Files¥JVC¥SCoF¥bin¥".

(3) Unnecessary function how to stop in PC to execute restoration and search

- It is necessary to stop the following functions when searching and playing on not PC that executes the record but another PC.
 - Acquisition of camera image (extra load of communication traffic and camera)
 - Deletion function of old image
- Please execute "InstallPlayOnly.bat" of "C:¥Program Files¥JVC¥SCoF¥bin¥" to install VN-RS800 as "VN-RS800 playback-only version" that stops the above-mentioned function after installing

VN-RS800.

- Please execute "UninstallPlayOnly.bat" of "C:\Program Files\JVC\SCoF\bin\" to return the regular version the VN-RS800 playback-only version.

(4) Method of restarting all services

- It is necessary to restart service to reflect the setting in service after the configuration file is restored.
- To restart the various groups of services, click [Start] – [All Programs] – [JVC] – [VN-RS800] – [RestartService].

4.4. Example of backup procedure

(1) The backup of the setting, and the replacement and restoration of PC

(Backup)

1. After it initializes it, the configuration file of "4.1 (1)" is copying backed up.

(Restoration)

2. The VN-RS800 regular version is installed in new PC.
3. "1." is restored to new PC.
4. New PC is restarted. (Refer to 4.3 (4))

(2) Regular backup of image data and playback on another PC

(Backup)

1. To execute "BackupAlarmDb.bat" regularly, it registers in "System Tools" - "Scheduled Tasks" of Windows.
2. To back up "VN-RS800_alarm_back.db" and "Image data", the backup software is set.

(Preparation for playback on another PC)

3. The VN-RS800 playback-only version is prepared. (Refer to 4.3 (3))

(Playback on another PC)

4. The backup data of "2." is restored to playback-only PC.
5. The file name of VN-RS800_alarm_back.db is returned to original name. (Refer to 4.3 (2))
6. Each service of playback-only PC is restarted. (Refer to 4.3 (4))
7. VN-RS800Viwer.exe is started.

*·The search and playback of the record image become possible when the camera is selected and it switches to "View Records" screen though a live image of the camera is not displayed.

5. Operating Suggestions

5.1. Personal computer setting

Do not set your computer to enter “System standby” or “System hibernates” mode when VN-RS800 is in operation. The operation of VN-RS800 during “System standby” or “System hibernates” mode is not guaranteed. The “System standby” and “System hibernates” modes can be set under the Power Options in Control Panel.

5.2. Concerning the CPU load

The frame rate of the image recorded at that time might decrease when processing with a high CPU load is done with the personal computer VN-RS800's operating. Try to keep the CPU usage about 60 % or lower by reducing the number of View Windows, setting the frame rate lower or displaying the image in small size.

5.3. Concerning the recording file save location (hard disk drive) and file save period

It is recommended to use a different disk drive for the recording file save location from the OS system's drive.

Additionally the NTFS is recommended for the file system of the disk drive which has the file save location. FAT/FAT32 may sometimes make the recording impossible because of its limitation of the number of files per a folder.

For the stable performance with recordings over the long term, defragment the disk drive regularly. Keep the disk drive 70% or less occupied by deleting old recording files using effectively the file save period setting. This operation also avoids the fragmentation of the disk drive. (See ‘2.2 System Setting’ “Recording File Keeping Period” and “Deletion Starting HDD Capacity”)

5.4. Concerning the adjustment of the time of PC

When you return the time of PC at past time, the recorded recording data is overwritten by recording the data of the same time. Moreover, when you advance the time of PC at time of the future, continuous image data is recorded as discontinuous recording data.

When adjusting it at time, the recording stop and the recording data are recommended to be backed up referring to ‘3.2 Terminating (Starting) the Service’ or ‘4 Backup and restoration’.

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